

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE FINAL MODIFICATION FOR THE INSTALLATION OF ULTIMATE TRAFFIC CONTROL EQUIPMENT AT THE INTERSECTION OF MD 450 AT TRINITY/MOYLAN DRIVE IN PRINCE GEORGE'S COUNTY. MD 450 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION.

INTERSECTION OPERATION

NORMAL OPERATION
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA-THREE-PHASE, FULLY ACTUATED MODE. THE MOVEMENTS ON MD 450 WILL OPERATE CONCURRENTLY. THE MOVEMENTS ON TRINITY/MOYLAN DRIVE WILL OPERATE CONCURRENTLY. THE EXISTING CONTROLLER WILL INTERCONNECT WITH THE NEW CONTROLLERS AT THE NEW INTERSECTION OF MD 450 (NEW) AT MD 197 AND AT THE INTERSECTION OF MD 450 AT BOWIE HIGH SCHOOL ENTRANCE.

SPECIAL NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE BECAUSE THESE UTILITIES MAY BE MODIFIED PRIOR TO AND DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
965001	806	1 EA.	PUSHBUTTON AND SIGN
973023	813	△ 141 S.F.	△ SHEET ALUMINUM SIGN TO CONSIST OF: -2 EA. R10-12 (36 IN. X 42 IN.)-MAST ARM MOUNT -2 EA. R3-5L (30 IN. X 36 IN.)-MAST ARM MOUNT -1 EA. R10-41 (9 IN. X 12 IN.)-POLE MOUNT -4 EA. D3-2 (16 IN. X VAR.)-MAST ARM MOUNT -2 EA. ASSOCIATED SHIELD ASSEMBLY (30 IN. X 51 IN.)-POLE MOUNT -2 EA. ASSOCIATED SHIELD ASSMBLY (48 IN. X 75 IN.)-POLE MOUNT

PROJECT CONTACTS

THE CONTRACT PESONS FOR DISTRICT #3 ARE AS FOLLOWS:

~~CHARLIE WATKINS~~
DISTRICT ENGINEER
PHONE: 301-513-7300

ROBERT SNYDER, ASSISTANT DIVISION CHIEF
TRAFFIC OPERATION DIVISION
PHONE: 410-787-7630

MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: 301-513-7358

AUGIE REBISH
△ ASSISTANT DISTRICT ENGINEER-UTILITIES
PHONE: 301-513-7350

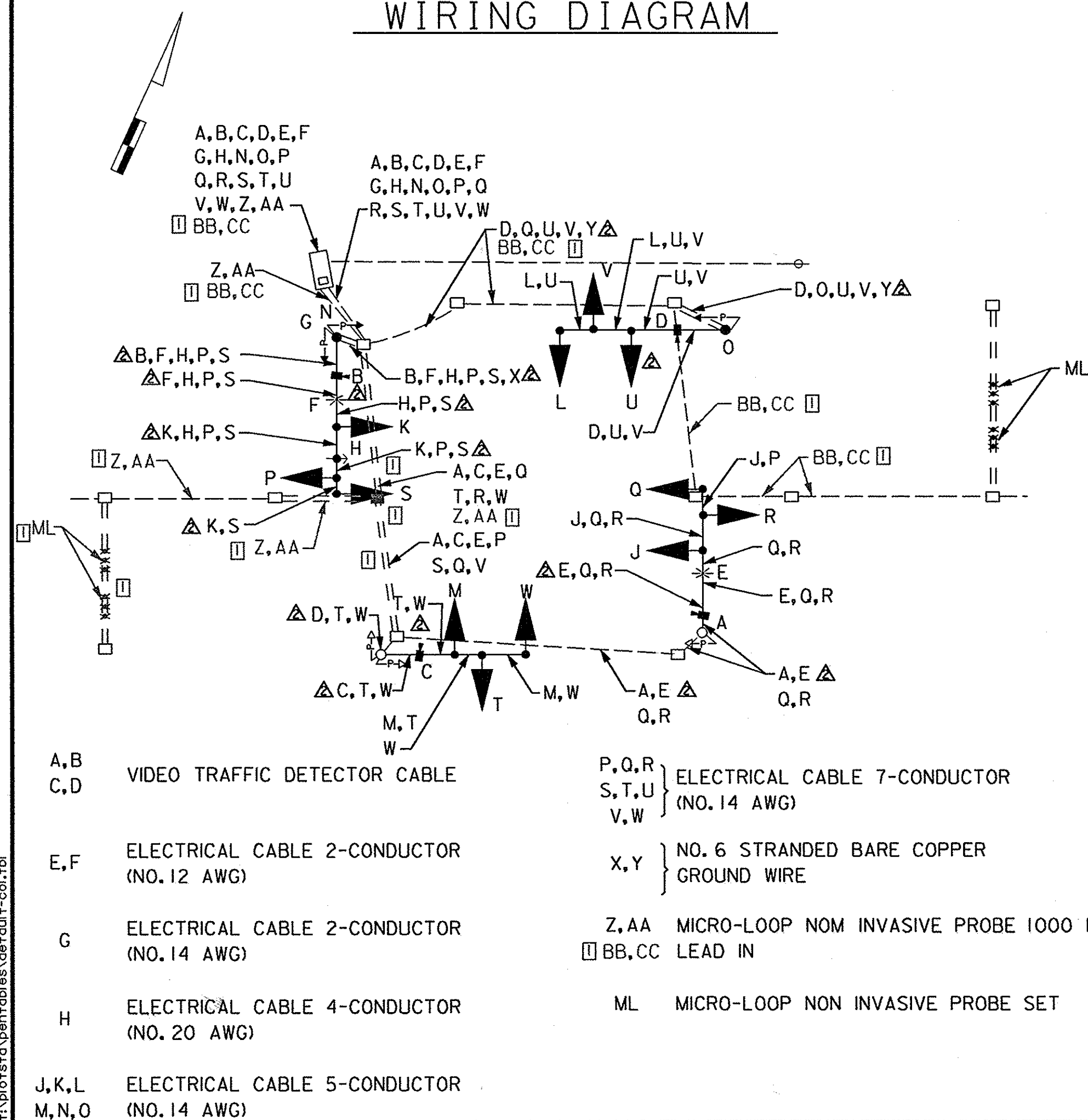
RALEIGH MEDLEY
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: 301-513-7304

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

CAT CODE NUMBER	SPEC. SECTION	QUANTITY	DESCRIPTION
203030	290	△ 1 C.Y.	TEST PIT EXCAVATION
585620	556	250 L.F.	12 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
585624	556	60 L.F.	24 IN. HEAT APPLIED THERMOPLASTIC WHITE PAVEMENT MARKING
801004	801	△ 8 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
802501	805	△ 141 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
813015	813	134 S.F.	INSTALL OVERHEAD SIGN
831010	806	2 EA.	250 WATT HPS LUMINAIRE WITH PHOTOCELL
837001	804	2 EA.	GROUND ROD 3/4 IN. X 10 FT. LENGTH
860270	814	6 EA.	8 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860272	814	34 EA.	12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860278	814	△ 6 EA.	12 IN. PEDESTRIAN SIGNAL HEAD SECTION (POLE MOUNT)
861107	810	330 L.F.	ELECTRICAL CABLE 5-CONDUCTOR (NO. 14 AWG)
861108	810	1905 L.F.	ELECTRICAL CABLE 7-CONDUCTOR (NO. 14 AWG)
861116	810	395 L.F.	ELECTRICAL CABLE 2-CONDUCTOR (NO. 12 AWG)
865001	806	1 EA.	INSTALL PUSHBUTTON
866104	818	2 EA.	20 FT. LIGHTING ARM ON SIGNAL STRUCTURE
866204	818	1 EA.	27 FT. STEEL POLE WITH 38 FT. MAST ARM
866204	818	1 EA.	27 FT. STEEL POLE WITH 50 FT. MAST ARM
870163	805	21 L.F.	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-TRENCHED
870164	805	36 L.F.	3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT-BORED
△ 800000	805	4 EA.	RELOCATE CAMERA
△ 800000	805	4 EA.	REROUTE CABLE
800000	807	1 EA.	OPTICOM DETECTOR EYE
800000	810	55 L.F.	ELECTRICAL CABLE 2-CONDUCTOR (NO. 14 AWG)
800000	810	120 L.F.	ELECTRICAL CABLE 4-CONDUCTOR (NO. 20 AWG)
800000	XXX	1 L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL
811001	811	1 EA.	ELECTRICAL HANDHOLE
800000	810	4 EA.	MICRO-LOOP NON INVASIVE PROBE SET WITH 1000 FT. LEAD IN

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18	19
△ PHASE 1+5	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1+5 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 2+6	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
2+6 CHANGE	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
PHASE 4+8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4+8 CHANGE	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
FLASHING OPERATION	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL

EQUIPMENT LIST "C"

C. ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR.

REDLINE NO. 1 5/6/02

ADDENDUM #2 10/11/2001



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MD 450 - MD 193 TO STONYBROOK DRIVE
MD 450 AT TRINITY/MOYLAN DRIVE - ULTIMATE

DRAWN BY: MB	F.A.P. NO. PG9005571	TS NO. △ TS-672C-2	SHEET NO.
CHECKED BY: STR	S.H.A. NO. PRINCE GEORGE'S	T.I.M.S. NO. D 538	430 OF 545
SCALE: NONE	LOG MILE: 11.95		
DATE: OCTOBER 2001			

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND